ELSEVIER

Journal of Electroanalytical Chemistry 468 (1999) 215

JOURNAL OF ELECTROANALYTICAL CHEMISTRY

Author Index of Volume 468

Adachi, K., 19
Angnes, L., 150
Arai, K., 53

Baek, D.-j., 98
Bae, Z.-U., 85
Basura, V.I., 180
Beattie, P.D., 180
Berchmans, S., 170
Bergel, A. ,139
Brett, C.M.A., 26, 150
Brito, M.S.L., 150

Cha, G.S., 76
Chang, H.-Y., 85
Chen, Z., 110
Chu, J., 76
Chung, C., 91
Cousino, M.A., 2

Délécouls, K., 139

Esteban, M., 202

Ferrigno, R., 42
Fungaro, D.A., 26
Fuse, T., 53

Gil, M.H., 26
Girault, H.H., 42
González, J., 158
Gutz, I.G.R., 150

Halsall, H.B., 2
Harlyk, C., 202
Ha, S.Y., 131
Heineman, W.R., 2
Hirata, Y., 117
Hojo, M., 110
Holdcroft, S., 180
Hu, Y., 64

Jang, J.-M., 70
Jin Lee, H., 42
Josserand, J., 42

Katano, H., 34
Kessler, R.W., 121
Kim, K.-A., 98
Kim, S., 131
Kim, Y.-C., 121
Koide, S., 193
Kusu, F., 53
Kwak, J., 104

Lee, C.-W., 70
Lee, H., 104
Lee, H.J., 76
Lee, J.S., 76
Lee, J.-Y., 19
Lee, M., 91
Lee, S.-H., 85

Martínez-Ortiz, F., 158
Mie, Y., 9
Mizutani, F., 117
Molina, A., 158
Morandini, J., 42
Morgado, J.M., 26
Mulder, W.H., 127
Murty, K.V.G.K., 170

Nam, H., 76
Nishimura, M., 110

Oelkrug, D., 121
Oh, K.-C., 98

Paeng, K.-J., 98
Park, J.-H., 85
Park, Y.-S., 70
Pradeep, T., 170
Purushothama, S., 2
Pyun, H.-J., 76

Quint, B., 121

Rhee Paeng, I., 98
Rodríguez, A.R., 202
Romagnoli, J., 19

Saint-Aguet, P., 139
Sandhyarani, N., 170
Scherson, D.A., 64
Senda, M., 34
Serna, C., 158
Shin, J.H., 76
Sluyters, J.H., 127
Sonoda, K., 9

Taguchi, T., 19
Takamura, K., 53
Talaie, A., 19
Taniguchi, I., 9
Tolmachev, Y.V., 64

Ueda, T., 110

Wijayawardhana, C.A., 2

Yabuki, S., 117
Yamada, M., 34
Yang, H., 104
Yegnaraman, V., 170
Yokoyama, K., 193

Zaborosch, C., 139

PII: S0022-0728(99)00237-5

ELSEVIER

Journal of Electroanalytical Chemistry 468 (1999) 217–220

JOURNAL OF ELECTROANALYTICAL CHEMISTRY

Subject Index of Volume 468

Acids
A review of a new voltammetric method for determining acids, 53
Alkanethiol
Exchange of self-assembled thiol monolayers on gold: characterization by FT-IR external reflection spectroscopy, 91
Aluminium
Structural properties of electrochemically designed porous oxide films on AlMg1, 121
Amperometric detection
Rotating disk electrode amperometric detection for a bead-based immunoassay, 2
Amperometric sensor
Preparation of a microperoxidase and ferrocene-immobilized polyion complex membrane for the detection of hydrogen peroxide, 117
Amperometry
Amperometric ion-selective electrode. Voltammetric theory and analytical applications at high concentration and trace levels, 34
Anodic stripping voltammetry
Novel polymer-modified electrodes for batch injection sensors and application to environmental analysis, 26
Artificial neural networks
Dynamic polymeric electrodes, dynamic computer modeling and dynamic electrochemical sensing, 19
Association
Conductometric study of lithium halides and thiocyanate in the mixed solvents of tetrahydrofuran and 2-ethyl-1-hexanol, 110

Batch injection analysis
Novel polymer-modified electrodes for batch injection sensors and application to environmental analysis, 26
Biosensors
Preparation of a microperoxidase and ferrocene-immobilized polyion complex membrane for the detection of hydrogen peroxide, 117
Buffer effect
Trifluoroacetophenone derivative-based carbonate ion-selective electrodes: effect of diluent pH on the anion selectivity, 76

Cadmium
Cadmium binding properties of the C-terminal hexapeptide from mouse metallothionein: study by linear sweep voltammetry and multivariate curve resolution analysis, 202
Carbonate ion-selective electrode
Trifluoroacetophenone derivative-based carbonate ion-selective electrodes: effect of diluent pH on the anion selectivity, 76
Carbon composite ceramic electrodes
Preparation and characterization of sol–gel derived carbon composite ceramic electrodes: electrochemical and XANES study of nitrite reduction, 131
Catalysis
Mechanism of the catalysis by *Alcaligenes eutrophus* H16 hydrogenase of direct electrochemical reduction of NAD^+, 139
Catalytic mechanism
Study of a catalytic mechanism in double potential step techniques at spherical electrodes, 158
Charge transfer
Self-assembly of and charge transfer at *N*-docosyl-*N'*-methyl viologen on electrode surfaces, 70
Computer modeling
Dynamic polymeric electrodes, dynamic computer modeling and dynamic electrochemical sensing, 19
Conducting polymer
Dynamic polymeric electrodes, dynamic computer modeling and dynamic electrochemical sensing, 19
Conductivity
Conductometric study of lithium halides and thiocyanate in the mixed solvents of tetrahydrofuran and 2-ethyl-1-hexanol 110
Corrosion potential
Structural properties of electrochemically designed porous oxide films on AlMg1, 121
Cyanated imidazole
Electroanalytical chemistry of myoglobin with modification of distal histidine by cyanated imidazole, 9
Cyclic voltammetry
Finite element simulation of ion transfer reactions at a single micro-liquid | liquid interface supported on a thin polymer film, 42

Differential pulse voltammetry
Study of a catalytic mechanism in double potential step techniques at spherical electrodes, 158
Double potential step chronoamperometry
Study of a catalytic mechanism in double potential step techniques at spherical electrodes, 158
Dynamic sensing
Dynamic polymeric electrodes, dynamic computer modeling and dynamic electrochemical sensing, 19

Electrocatalytic determination
Nickel(II) tetraaza macrocycle modified electrodes for the electrocatalytic determination of L-ascorbic acid by the flow injection method, 85
Electrochemical detection
A review of a new voltammetric method for determining acids, 53
Electrochemical Ostwald ripening
Two mercury drops on a conducting surface in a mercurous ion solution as a model for electrochemical Ostwald ripening, 127
Electrochemical reduction
Mechanism of the catalysis by *Alcaligenes eutrophus* H16 hydrogenase of direct electrochemical reduction of NAD^+, 139
Electron-transfer kinetics
Electroanalytical chemistry of myoglobin with modification of distal histidine by cyanated imidazole, 9
Electropolymerization
Nickel(II) tetraaza macrocycle modified electrodes for the electrocatalytic determination of L-ascorbic acid by the flow injection method, 85

PII: S0022-0728(99)00236-3

Environmental electroanalysis
Novel polymer-modified electrodes for batch injection sensors and application to environmental analysis, 26
Enzyme immobilized electrode
Electrochemical characterization of an enzyme electrode based on a ferrocene-containing redox polymer, 193
EQCM
Mass transport behavior of polypyrrole and poly(*N*-methylpyrrole) films in acetonitrile solutions, 104
Experimental design
Structural properties of electrochemically designed porous oxide films on AlMg1, 121
Extrusion
Determination of the surface charge density of a mercury electrode by extrusion: a new method for correction of the faradaic component, 150

Factor analysis
Cadmium binding properties of the C-terminal hexapeptide from mouse metallothionein: study by linear sweep voltammetry and multivariate curve resolution analysis, 202
Ferrocene
Preparation of a microperoxidase and ferrocene-immobilized polyion complex membrane for the detection of hydrogen peroxide, 117
Ferrocene derivative
Electrochemical characterization of an enzyme electrode based on a ferrocene-containing redox polymer, 193
Ferrocene-terminated alkanethiol
Exchange of self-assembled thiol monolayers on gold: characterization by FT-IR external reflection spectroscopy, 91
Finite element
Finite element simulation of ion transfer reactions at a single micro-liquid | liquid interface supported on a thin polymer film, 42
Flow injection analysis
A review of a new voltammetric method for determining acids, 53
Nickel(II) tetraaza macrocycle modified electrodes for the electrocatalytic determination of L-ascorbic acid by the flow injection method, 85
FT-IR external reflection spectroscopy
Exchange of self-assembled thiol monolayers on gold: characterization by FT-IR external reflection spectroscopy, 91

Glucose sensor
Electrochemical characterization of an enzyme electrode based on a ferrocene-containing redox polymer, 193

High concentration analysis
Amperometric ion-selective electrode. Voltammetric theory and analytical applications at high concentration and trace levels, 34
Hydrogenase
Mechanism of the catalysis by *Alcaligenes eutrophus* H16 hydrogenase of direct electrochemical reduction of NAD^+, 139
Hydrogen peroxide
Preparation of a microperoxidase and ferrocene-immobilized polyion complex membrane for the detection of hydrogen peroxide, 117

Immunobeads
Rotating disk electrode amperometric detection for a bead-based immunoassay, 2
Impedance
Structural properties of electrochemically designed porous oxide films on AlMg1, 121
Indium oxide
Electroanalytical chemistry of myoglobin with modification of distal histidine by cyanated imidazole, 9
Interfaces
Temperature and pressure dependence of O_2 reduction at Pt | Nafion® 117 and Pt | BAM® 407 interfaces, 180
Iodide ion-selective electrode
Anion-selective membrane electrodes based on polymer-supported metalloporphyrins, 98
Ion-selective electrode
Amperometric ion-selective electrode. Voltammetric theory and analytical applications at high concentration and trace levels, 34
Ion transfer
Finite element simulation of ion transfer reactions at a single micro-liquid | liquid interface supported on a thin polymer film, 42
Ion-transfer voltammetry
Amperometric ion-selective electrode. Voltammetric theory and analytical applications at high concentration and trace levels, 34
Ion transport
Mass transport behavior of polypyrrole and poly(*N*-methylpyrrole) films in acetonitrile solutions, 104
Iron phthalocyanine
Preparation and characterization of sol–gel derived carbon composite ceramic electrodes: electrochemical and XANES study of nitrite reduction, 131
ITIES
Finite element simulation of ion transfer reactions at a single micro-liquid | liquid interface supported on a thin polymer film, 42

L-Ascorbic acid
Nickel(II) tetraaza macrocycle modified electrodes for the electrocatalytic determination of L-ascorbic acid by the flow injection method, 85
Lipophilic additive
Anion-selective membrane electrodes based on polymer-supported metalloporphyrins, 98
Lithium halides and thiocyanate
Conductometric study of lithium halides and thiocyanate in the mixed solvents of tetrahydrofuran and 2-ethyl-1-hexanol, 110

Membrane-covered electrode
Preparation of a microperoxidase and ferrocene-immobilized polyion complex membrane for the detection of hydrogen peroxide, 117
Mercury
Two mercury drops on a conducting surface in a mercurous ion solution as a model for electrochemical Ostwald ripening, 127
Mercury electrode
Determination of the surface charge density of a mercury electrode by extrusion: a new method for correction of the faradaic component, 150
Metallothionein
Cadmium binding properties of the C-terminal hexapeptide from mouse metallothionein: study by linear sweep voltammetry and multivariate curve resolution analysis, 202
Microelectrodes
Study of a catalytic mechanism in double potential step techniques at spherical electrodes, 158
Mixed solvents of THF
Conductometric study of lithium halides and thiocyanate in the mixed solvents of tetrahydrofuran and 2-ethyl-1-hexanol, 110
Modification of distal histidine
Electroanalytical chemistry of myoglobin with modification of distal histidine by cyanated imidazole, 9

Multivariate analysis
Cadmium binding properties of the C-terminal hexapeptide from mouse metallothionein: study by linear sweep voltammetry and multivariate curve resolution analysis, 202
Myoglobin
Electroanalytical chemistry of myoglobin with modification of distal histidine by cyanated imidazole, 9

Nickel oxide electrode
Rotating ring-disk studies of oxidized nickel hydrous oxide: oxygen evolution and pseudocapacitance, 64
Ni(II) tetraaza macrocycle
Nickel(II) tetraaza macrocycle modified electrodes for the electrocatalytic determination of L-ascorbic acid by the flow injection method, 85
Nitrite reduction
Preparation and characterization of sol–gel derived carbon composite ceramic electrodes: electrochemical and XANES study of nitrite reduction, 131

Oxide layer
Structural properties of electrochemically designed porous oxide films on AlMg1, 121
Oxygen evolution reaction
Rotating ring-disk studies of oxidized nickel hydrous oxide: oxygen evolution and pseudocapacitance, 64
Oxygen reduction
Rotating ring-disk studies of oxidized nickel hydrous oxide: oxygen evolution and pseudocapacitance, 64
Temperature and pressure dependence of O_2 reduction at Pt | Nafion® 117 and Pt | BAM® 407 interfaces, 180

Peptide
Cadmium binding properties of the C-terminal hexapeptide from mouse metallothionein: study by linear sweep voltammetry and multivariate curve resolution analysis, 202
Platinum
Temperature and pressure dependence of O_2 reduction at Pt | Nafion® 117 and Pt | BAM® 407 interfaces, 180
Polymer-coated electrodes
Novel polymer-modified electrodes for batch injection sensors and application to environmental analysis, 26
Polymer supported manganese(III) protoporphyrin IX
Anion-selective membrane electrodes based on polymer-supported metalloporphyrins, 98
Poly(*N*-methylpyrrole)
Mass transport behavior of polypyrrole and poly(*N*-methylpyrrole) films in acetonitrile solutions, 104
Polypyrrole
Mass transport behavior of polypyrrole and poly(*N*-methylpyrrole) films in acetonitrile solutions, 104
Prepeak
Electrochemical characterization of an enzyme electrode based on a ferrocene-containing redox polymer, 193
Pressure
Temperature and pressure dependence of O_2 reduction at Pt | Nafion® 117 and Pt | BAM® 407 interfaces, 180
Pseudocapacitance
Rotating ring-disk studies of oxidized nickel hydrous oxide: oxygen evolution and pseudocapacitance, 64
PVC
Anion-selective membrane electrodes based on polymer-supported metalloporphyrins, 98

Quinone
A review of a new voltammetric method for determining acids, 53

Recrystallisation
Two mercury drops on a conducting surface in a mercurous ion solution as a model for electrochemical Ostwald ripening, 127
Redox polymer
Electrochemical characterization of an enzyme electrode based on a ferrocene-containing redox polymer, 193
Redox potential
Electroanalytical chemistry of myoglobin with modification of distal histidine by cyanated imidazole, 9
Reverse pulse voltammetry
Study of a catalytic mechanism in double potential step techniques at spherical electrodes, 158
Rotating disk electrode (RDE)
Rotating disk electrode amperometric detection for a bead-based immunoassay, 2
Rotating ring-disk electrode
Rotating ring-disk studies of oxidized nickel hydrous oxide: oxygen evolution and pseudocapacitance, 64

Salicylate interference
Trifluoroacetophenone derivative-based carbonate ion-selective electrodes: effect of diluent pH on the anion selectivity, 76
Sandwich immunoassay
Rotating disk electrode amperometric detection for a bead-based immunoassay, 2
Self-assembled monolayer
Exchange of self-assembled thiol monolayers on gold: characterization by FT-IR external reflection spectroscopy, 91
Self-assembly
Formation of a nickel hydroxide monolayer on Au through a self-assembled monolayer of 5,5′-dithiobis(2-nitrobenzoic acid): voltammetric, SERS and XPS investigations of the modified electrodes, 170
Self-assembly of and charge transfer at *N*-docosyl-*N*′-methyl viologen on electrode surfaces, 70
SERS
Formation of a nickel hydroxide monolayer on Au through a self-assembled monolayer of 5,5′-dithiobis(2-nitrobenzoic acid): voltammetric, SERS and XPS investigations of the modified electrodes, 170
Simulation
Finite element simulation of ion transfer reactions at a single micro-liquid | liquid interface supported on a thin polymer film, 42
Sol–gel methods
Preparation and characterization of sol–gel derived carbon composite ceramic electrodes: electrochemical and XANES study of nitrite reduction, 131
Solvent transport
Mass transport behavior of polypyrrole and poly(*N*-methylpyrrole) films in acetonitrile solutions, 104
Spherical electrodes
Study of a catalytic mechanism in double potential step techniques at spherical electrodes, 158
Surface charge density
Determination of the surface charge density of a mercury electrode by extrusion: a new method for correction of the faradaic component, 150
Surface modification
Formation of a nickel hydroxide monolayer on Au through a self-assembled monolayer of 5,5′-dithiobis(2-nitrobenzoic acid): voltammetric, SERS and XPS investigations of the modified electrodes, 170

Temperature
Temperature and pressure dependence of O_2 reduction at Pt | Nafion® 117 and Pt | BAM® 407 interfaces, 180

Theory
Amperometric ion-selective electrode. Voltammetric theory and analytical applications at high concentration and trace levels, 34
Time dependent signals
Dynamic polymeric electrodes, dynamic computer modeling and dynamic electrochemical sensing, 19
Total CO_2 measurement
Trifluoroacetophenone derivative-based carbonate ion-selective electrodes: effect of diluent pH on the anion selectivity, 76
Trace analysis
Amperometric ion-selective electrode. Voltammetric theory and analytical applications at high concentration and trace levels, 34
Trifluoroacetophenone derivative
Trifluoroacetophenone derivative-based carbonate ion-selective electrodes: effect of diluent pH on the anion selectivity, 76
Triple ion
Conductometric study of lithium halides and thiocyanate in the mixed solvents of tetrahydrofuran and 2-ethyl-1-hexanol, 110
Viologen
Self-assembly of and charge transfer at *N*-docosyl-*N'*-methyl viologen on electrode surfaces, 70
Voltammetry
Cadmium binding properties of the C-terminal hexapeptide from mouse metallothionein: study by linear sweep voltammetry and multivariate curve resolution analysis, 202
Formation of a nickel hydroxide monolayer on Au through a self-assembled monolayer of 5,5′-dithiobis(2-nitrobenzoic acid): voltammetric, SERS and XPS investigations of the modified electrodes, 170
XANES
Preparation and characterization of sol–gel derived carbon composite ceramic electrodes: electrochemical and XANES study of nitrite reduction, 131
XPS
Formation of a nickel hydroxide monolayer on Au through a self-assembled monolayer of 5,5′-dithiobis(2-nitrobenzoic acid): voltammetric, SERS and XPS investigations of the modified electrodes, 170